



Vegawell

immersible sensors

Especially for **cold storage tanks** SOTEX offers Vegawell S51 with the nitrogen expansion system. The sensors are only suitable for medium temperatures up to 60 °C.

The major advantage is that both the content sensor and the pressure sensor for the nitrogen blanket are located on the inside of the tank. If the regular sensors are used, some condensation may form on the measuring cell membrane during summer time on vertical storage tanks for cooling (very cold water). Condensation may freeze in winter, resulting in unusual readings. The use of Vegawell submersible sensors eliminates the risk of this type of failure and further increases operational reliability.

For both sensors a welding socket should be included in the tank roof. The set of sensors is supplied with a special Vegabox plenum box.

■ Process temperature	-20 ... +60 °C
■ Process pressure	0 ... 100 mbar / 0 ... 400 mbar
■ Materials, wet parts	316L
■ Measuring cell	sapphire-ceramic®
■ Protection class	IP 68 (0.2 bar)
■ Ambient temperature	-40 ... 60 °C
■ Output signal	4 ... 20 mA
■ Power supply	9.6 ... 36 V DC
■ Thread configuration	two wires, breather capillaries, braiding
■ Thread cross section	2x 0.5 mm ²
■ Diameter	about 8 m

